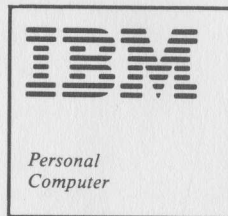


# Supplemental Instructions

## 64KB Memory Module Kit

For



The warranty terms and conditions applicable in the country of purchase in respect of an IBM Personal Computer product are available from the supplier. Please retain them with your proof of purchase.

Any US Option Instructions without the above warranty notice are inapplicable and should be ignored.

***No statements contained in this documentation shall affect the statutory rights of consumers.***

This option consists of:

- IBM 64KB Memory Module Kit

If any items are missing or damaged, notify your place of purchase.

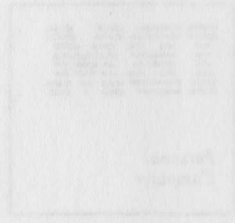
MEMORY

Notes:

Supplemental Instructions

44KB M-1000 Machine Kit

Kit



As shown in the photograph, the kit is the same as the one shown in the photograph. The kit is the same as the one shown in the photograph. The kit is the same as the one shown in the photograph.

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Kit

44KB M-1000 Machine Kit

The kit is the same as the one shown in the photograph. The kit is the same as the one shown in the photograph. The kit is the same as the one shown in the photograph.

# Contents

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# Installation Requirements

- If you are going to increase the system board memory size on your IBM Personal Computer you must use the 64KB Memory Module Kit.
- If the instructions that come with your 64KB Memory Module Kit do not address the installation of the 64KB Memory Module Kit on the IBM Personal Computer system board you must use these instructions.
- The 64KB Memory Module Kit **CANNOT** be installed on the 16KB–64KB system board.
- Insert the Option Instructions in your Guide to Operations under the correct bleeder tab.

## Tool Required

- Medium-size, flat blade screwdriver

### Optional:

- Medium screwstarter
- 3/16-inch nutdriver
- 1/4-inch nutdriver

Notes:

If you are going to increase the system board memory, use an IBM Model 588 computer you may use the 64KB Memory Module Kit.

If the instructions that come with your 64KB Memory Module Kit do not reflect the installation of the 64KB Memory Module Kit on the IBM Personal Computer system, and you must use these instructions.

The 64KB Memory Module Kit CANNOT be added to the 16KB-48KB system board.

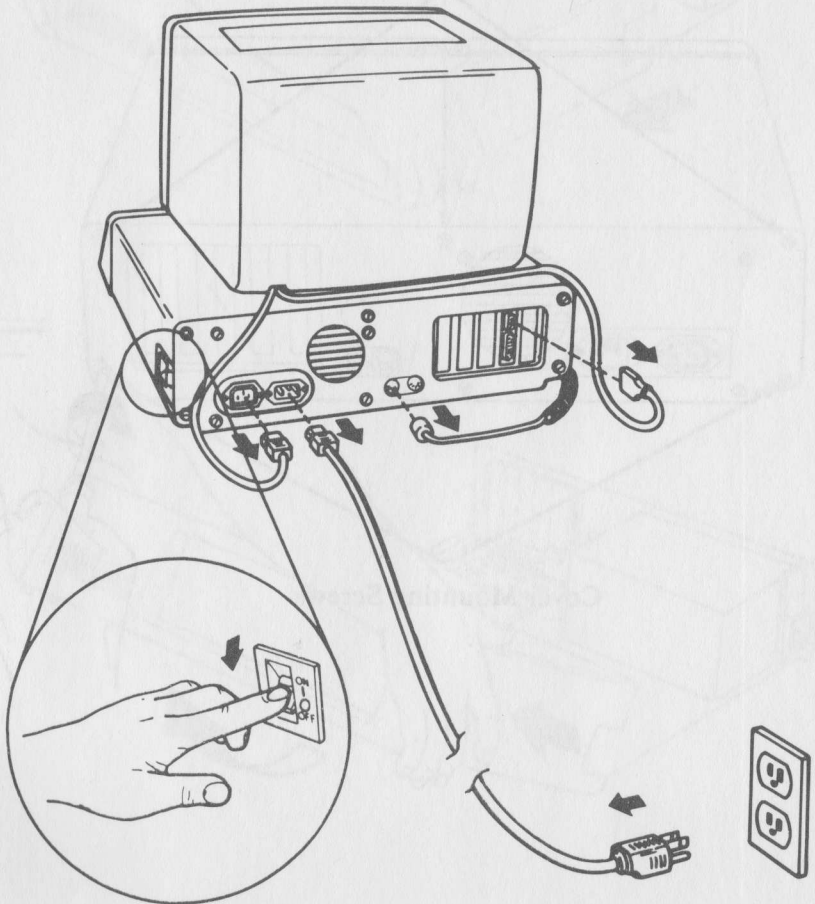
Insert the Open Instructions in your 64KB Memory Module Kit.

Tool Required

- 1/4 inch hex screwdriver
- 1/8 inch hex screwdriver
- 1/16 inch hex screwdriver
- 1/4 inch hex screwdriver

# Installation Instructions

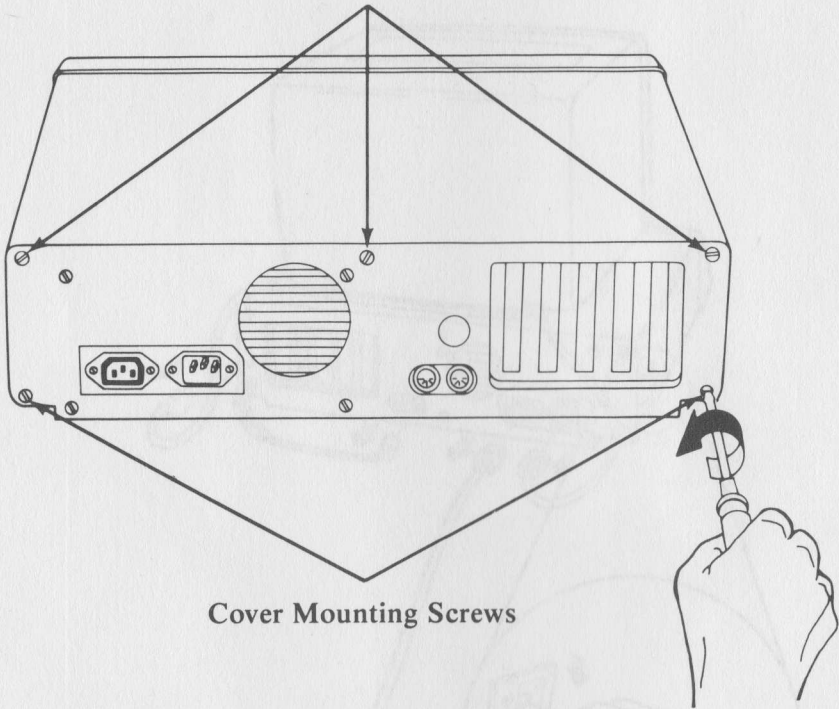
1. Set the Power switch on the system unit (and expansion unit, if attached) to Off.
2. Set all external power switches Off (printer, TV, etc.).
3. Unplug the system unit's (and expansion unit's) power cord from the wall outlet.
4. Disconnect all cables from the rear of the system unit.





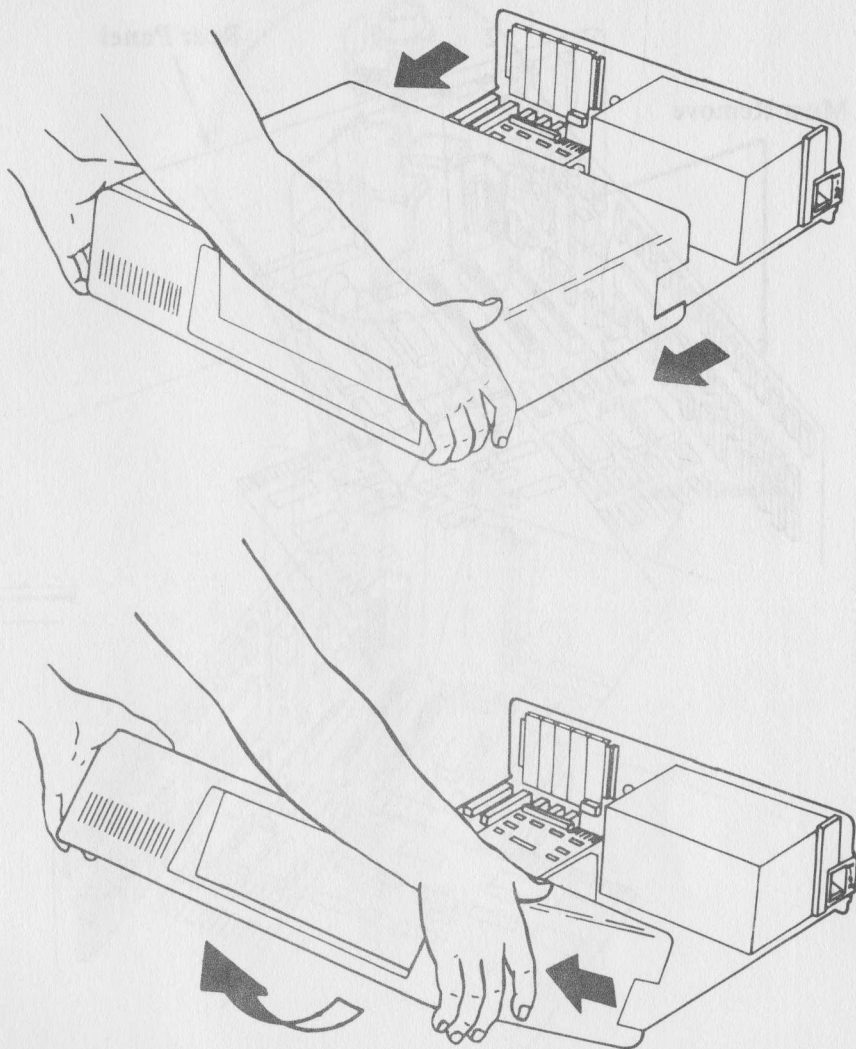
5. Move your keyboard and all external options away from the work area.
6. Position the system unit to allow access to the rear.
7. Use a flat-blade screwdriver or 1/4-inch nutdriver and remove the five cover mounting screws by turning them counterclockwise as shown in the figure below. Save the screws for the installation of the cover.

**Cover Mounting Screws**  
(These three screws may not be present on your system unit)

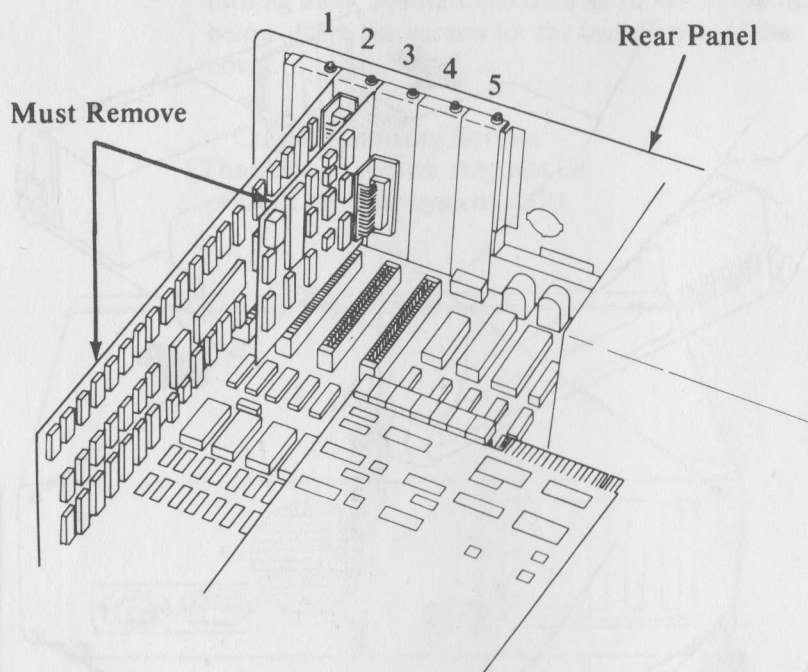




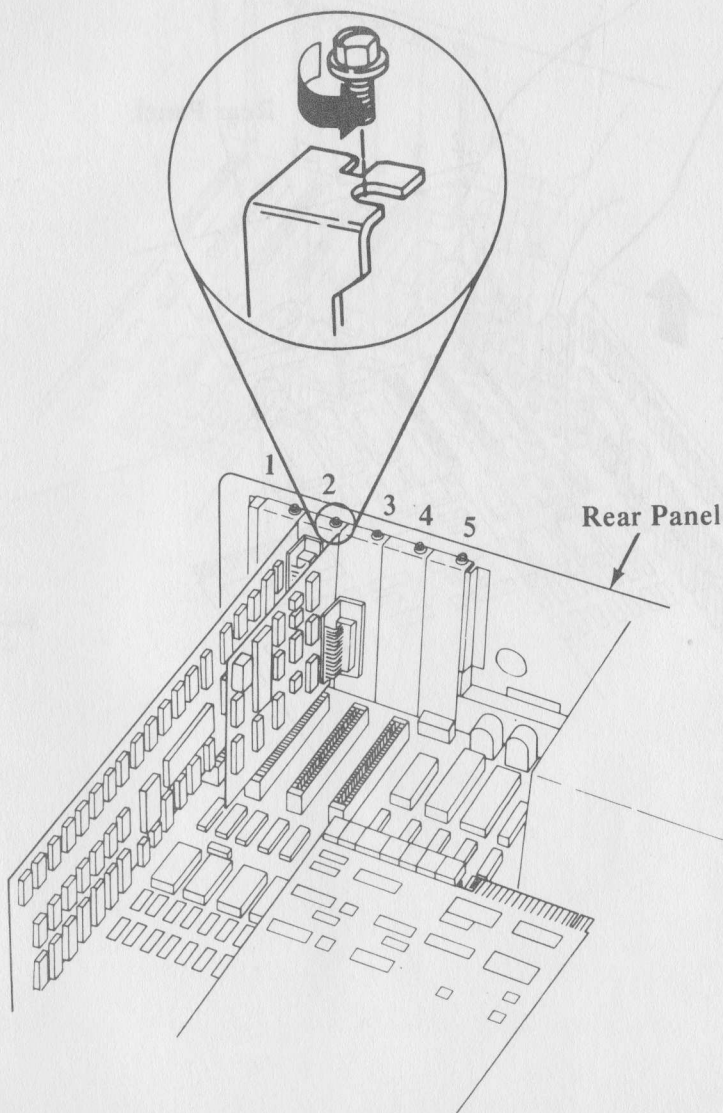
8. Carefully slide the system unit's cover away from the rear and to the front as indicated in the figure below. When the cover will go no further, tilt it up, remove it from the base, and set it aside.



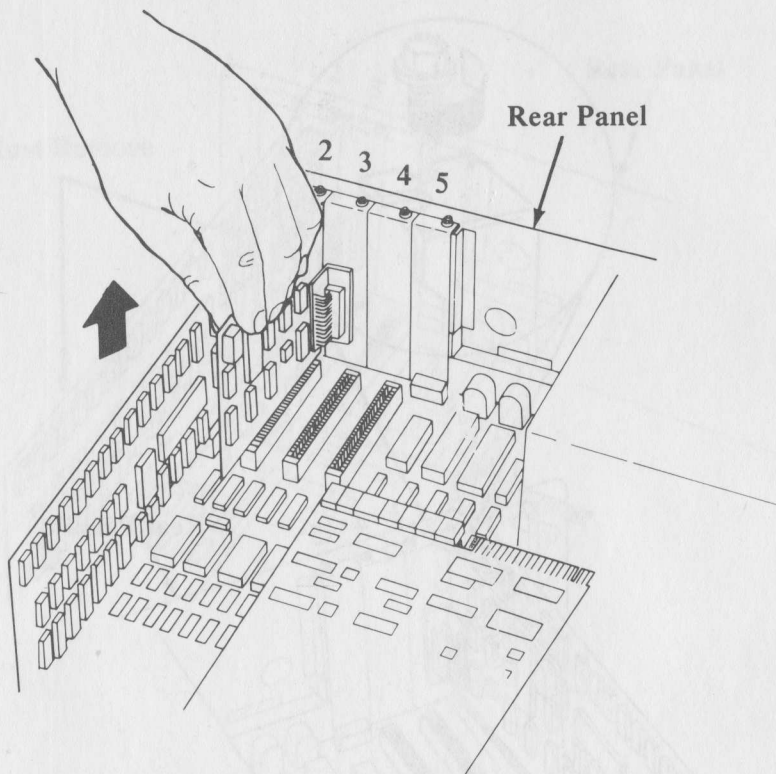
9. Look at the inside left rear of your system unit. There are five system unit expansion slots. Your system will have some or all of these slots used for options. These options have to be removed to install this kit.



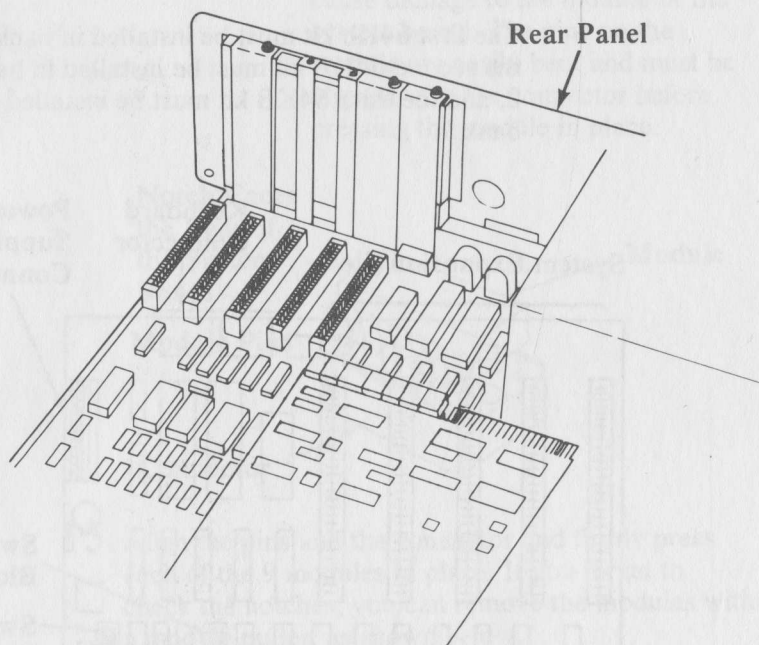
- 10.** Use a flat-blade screwdriver or 3/16-inch nutdriver and remove the screw that holds the option in place by turning the screw counterclockwise. Save the screw for the installation of the option.



- 11.** Grasp the option by the top and lift straight up.  
Make a note of the slot from which you remove each option.

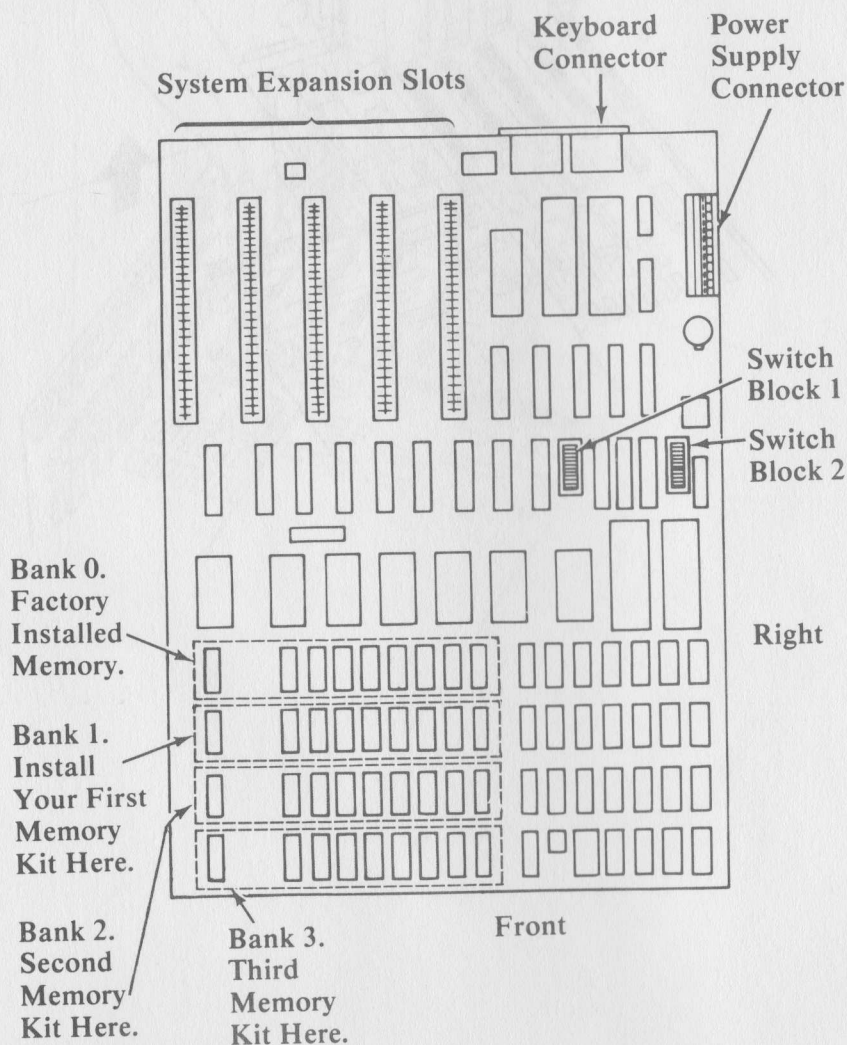


12. Repeat steps 10 and 11 until all options are removed and your system unit looks like the figure below.



**13.** Study the figure below to familiarize yourself with the system board.

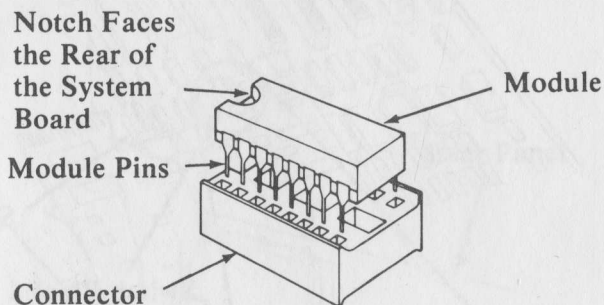
- Each 64KB Memory Module Kit has 9 modules.
- The first 64Kb kit must be installed in bank 1, the second 64KB kit must be installed in bank 2, and the third 64KB kit must be installed in bank 3.



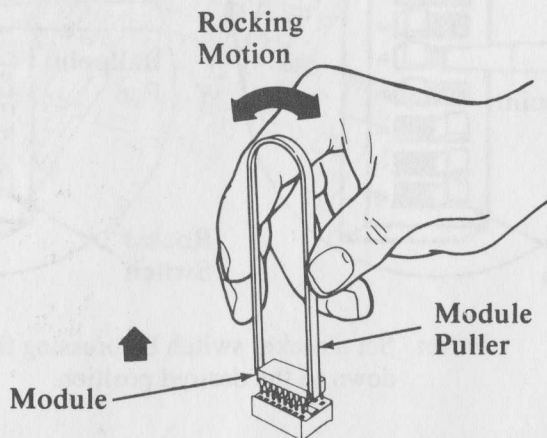


- 14.** You are now ready to install your memory modules. Each module has a notch that when installed must face the rear of the system board.

**WARNING:** Improperly inserted modules can cause damage to the module or the system board. The pins on the module are easily bent and must be aligned with the connector before pressing the module in place.

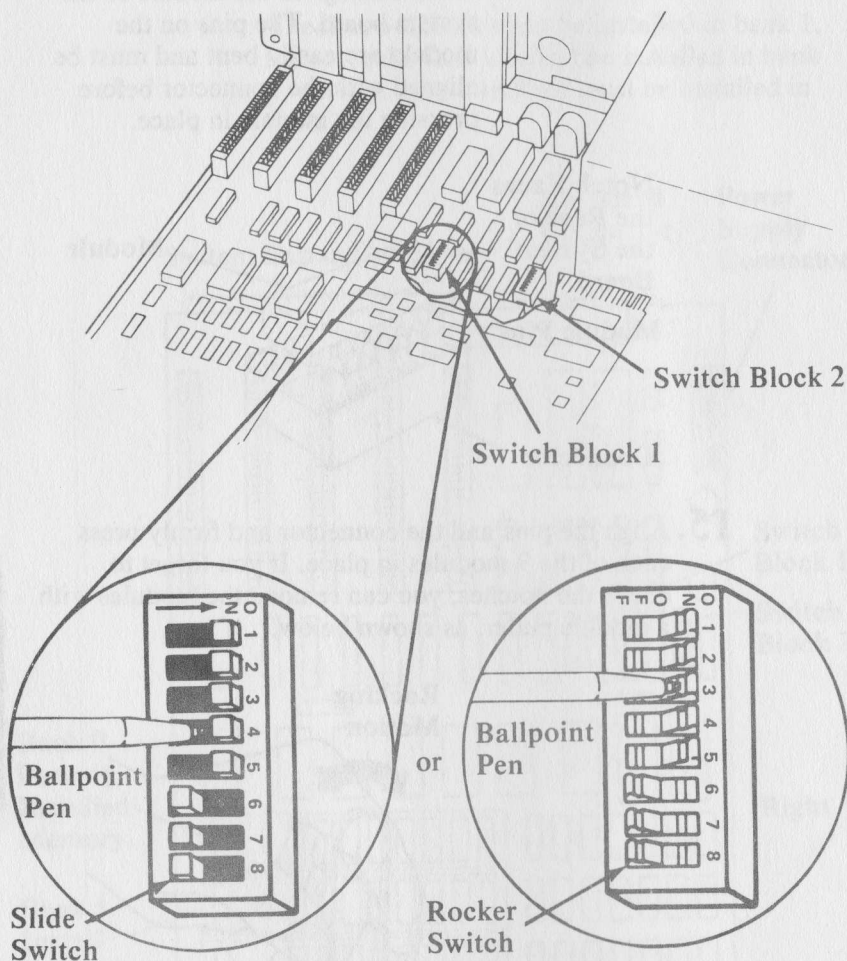


- 15.** Align the pins and the connector and firmly press each of the 9 modules in place. If you forget to check the notches, you can remove the modules with a module puller, as shown below.





16. The switches on the system board are set to reflect the amount of memory and other options installed. Take a minute to familiarize yourself with their locations. The use of a ballpoint pen will help you set the switches easily.



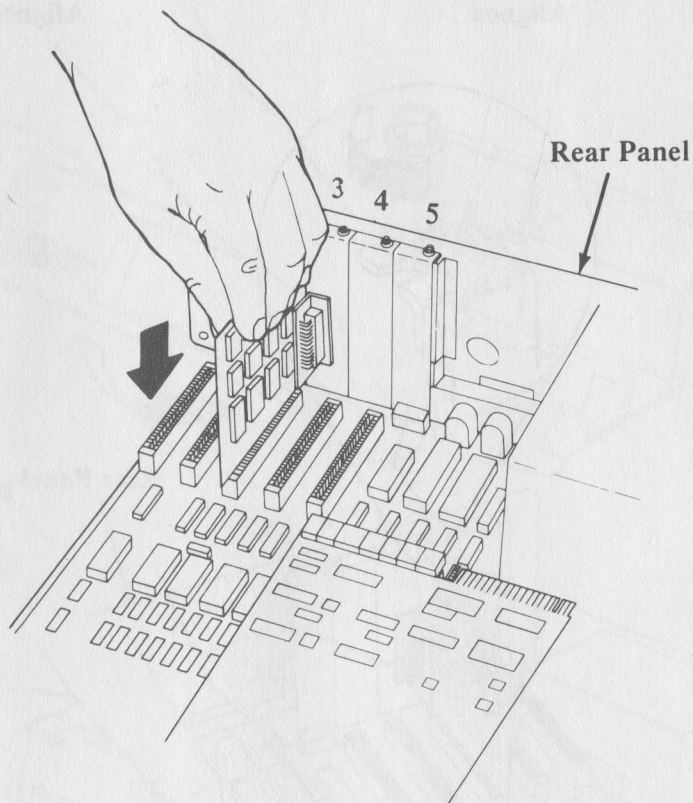
**Note:** Set a rocker switch by pressing the rocker down to the desired position.

17. Refer to the switch setting charts in the front of Section 5, "Options." Set the appropriate switches for this option. After you have set the switches, continue with the next step.

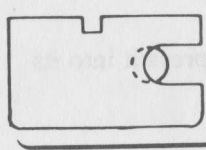
- 18.** You are now ready to reinstall the options you removed in Steps 10 and 11.

Check the notes you made in Step 11 to see in which slot each option must be installed.

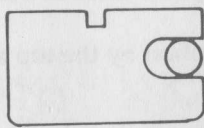
Hold the option by the top and firmly press it into its slot.



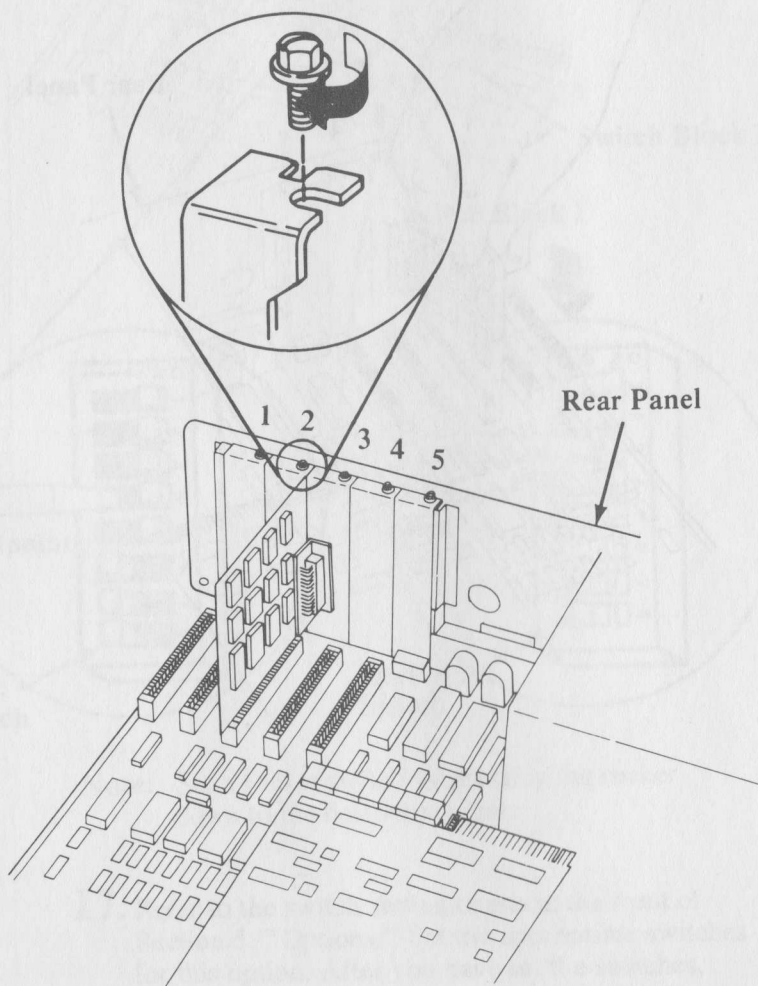
19. Align the slot in the option retaining bracket with the hole in the rear panel of the system unit. Start the screw clockwise, then tighten with a flat-blade screwdriver or 3/16-inch nutdriver.



Not  
Aligned

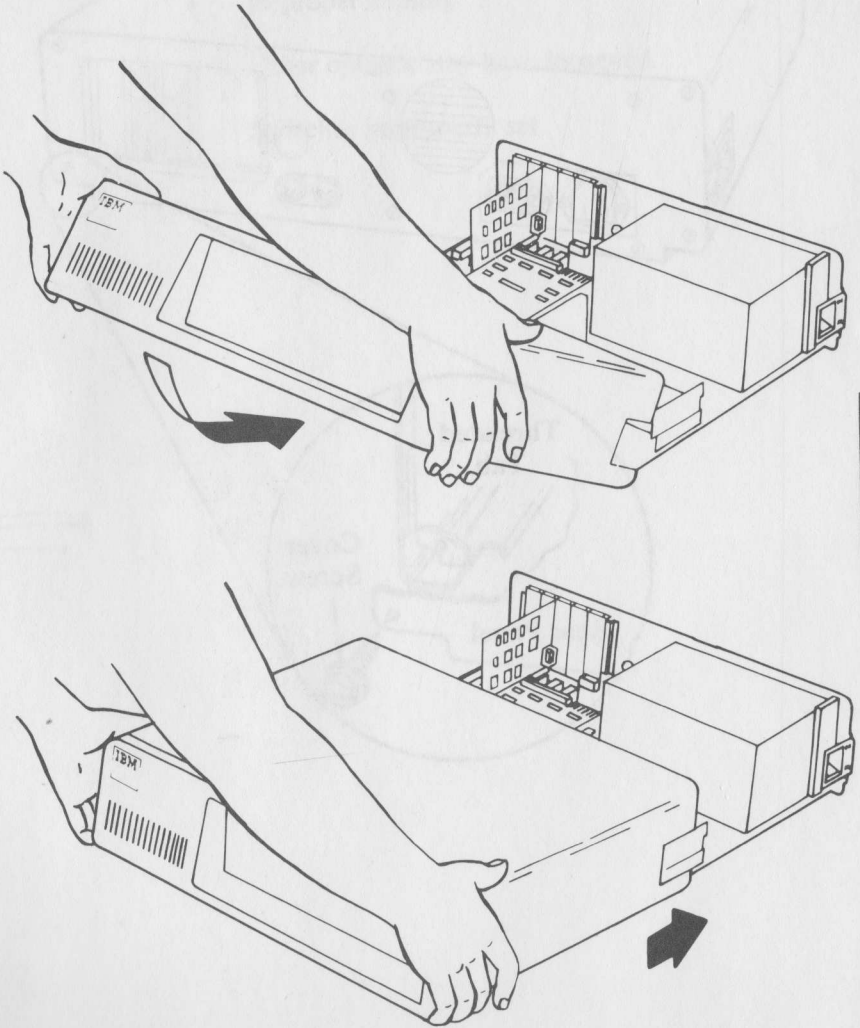


Properly  
Aligned

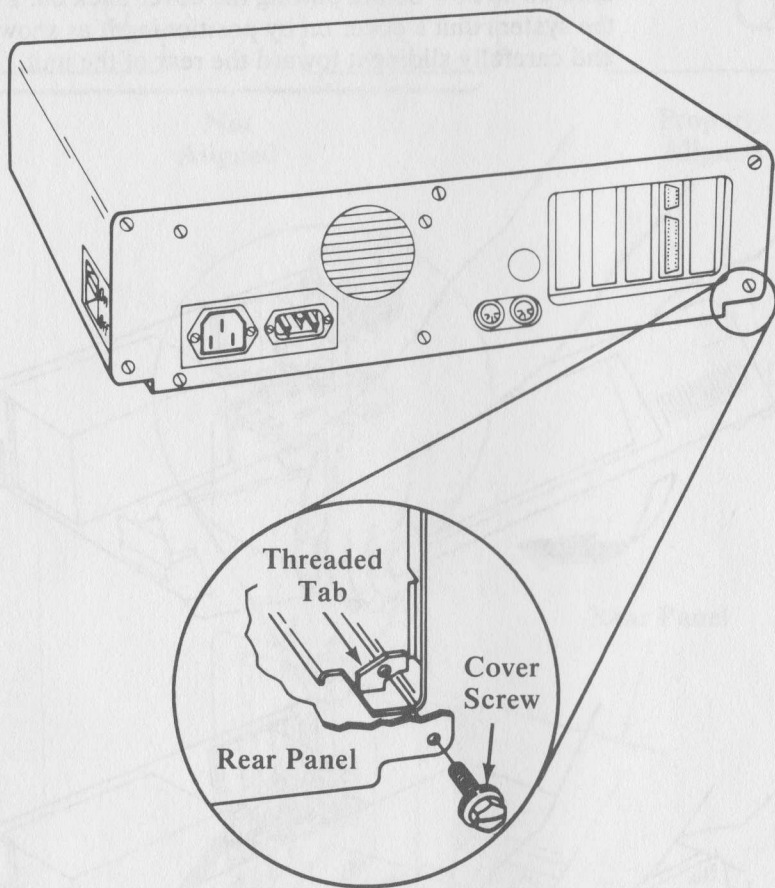


**20.** If you have an expansion unit attached, go to the Expansion Unit Option installation procedures and set the switches on the extender card to reflect the total system memory.

**21.** If you have any other options to install in the system unit, do so now before putting the cover back on. Put the system unit's cover on by positioning it as shown and carefully sliding it toward the rear of the unit.



22. When the cover is all the way to the rear, align the screw with the threaded tabs and tighten. Use a flat-blade screwdriver or 1/4-inch nutdriver and turn clockwise.



**23.** Your system is now ready to be recabled and to verify that it is operational:

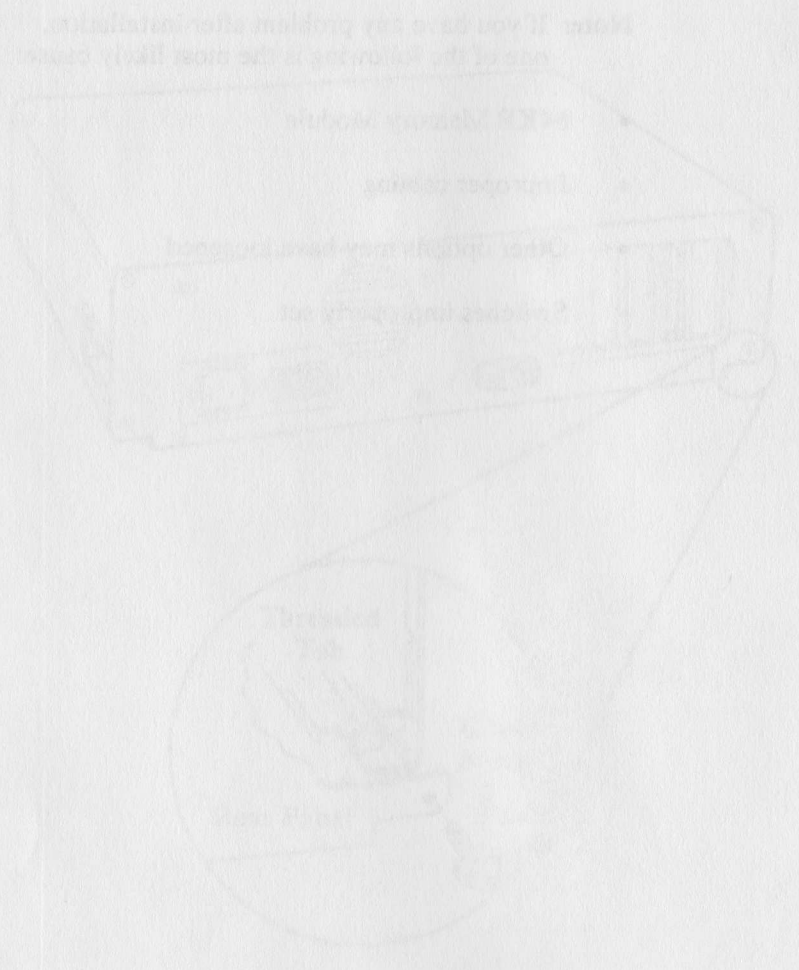
Go to Section 2, "Setup."

**Note:** If you have any problem after installation, one of the following is the most likely cause:

- 64KB Memory Module
- Improper cabling
- Other options may have loosened
- Switches improperly set



# Notes:





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